IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

As a named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

METHODS AND APPARATUS FOR MAINTAINING A MAP OF NODE RELATIONSHIPS FOR A NETWORK

the specifica	tion of which (check one)									
[X] is a	ttached hereto.									
[] was	s filed on	_ as United Sta	ates Application							
Nui	mber or PCT International	Application No)							
and	was amended on	(if appl	icable).							
I he including the	ereby state that I have revie e claims, as amended by an	wed and unders y amendment re	stand the contents of the ab	ove-ider	ntified	spec	ificati	ion,		
	cknowledge the duty to discount of C.F.R. §1.56.	close information	on which is known by me to	be mate	erial to	pate	entabi	lity a	ıs	
for patent or country othe any foreign a	inventor's certificate or 36 or than the United States of	5(a) of any PC America, listed ventor's certific	35 U.S.C. 119(a)-(d) or 36 I international application below and have also identiate, or of any PCT international claimed:	which do ified bel	esignat ow, by	ed at	t least	tone the b	box,	
		Prior Foreign Application(s)		N	ority ot imed		Certi Copy ES	Filed	ied iled? NO	
(Number)	(Country) (1	Day/Month/Year filed)	_ []	[]	[]	
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I hereby clai	m the benefit under 35 U.S	.C. §119(e) of	any United States provision	al appli	cation((s) lis	sted b	elow	/.	
60/177,985			January 25, 2000							
(Application	Number)		(Filing Date)							
(Application	Number)		(Filing Date)							

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

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(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
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(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)	(Filing date)	(Status: patented, pending, abandoned)
As a named inventor and transact all business in the	, I hereby appoint the followin e Patent and Trademark Office	g attorney(s) and/or agent(s) to prosecute this application connected therewith.
prosecute an international app	olication under the Patent Coop	o the following attorney(s) and/or agent(s) to file and peration Treaty based upon the above-identified requirements for designated states:
Barry W. Chapin, E. David E. Huang, Es. J. Scott Southworth,		29
all of Chapin & Huang, L.L.C	C., Westborough Office Park, 1	700 West Park Drive, Westborough, MA 01581
and		
to prosecute this application	and to transact all business in the	he Patent and Trademark Office connected therewith.
Please send correspo	ondence to: Barry W. Char	oin, Esq.
Chapin & Huang, L.	L.C. Westborough Office Part	k, 1700 West Park Drive, Westborough, MA 01581
Direct telephone cal	ls to: Barry W. Chapin, Esq.	Telephone No.: 508-366-9600
Direct facsimiles to:	Barry W. Chapin, Esq.	Facsimile No.: 508-616-9805
on information and belief are that willful false statements a	believed to be true; and furthe nd the like so made are punishad I States Code and that such will	my own knowledge are true and that all statements made r that these statements were made with the knowledge able by fine or imprisonment, or both, under Section liful false statements may jeopardize the validity of the
Full name of sole inventor or	0 501/	7
	me O Toole	Date 12/28/2000
Inventor's Signature	Munno Street	Date 12/2/0/2000
/	Munroe Street omerville, Massachusetts 02143	3
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Full name of additional joint

inventor, if any _____ John H. Jannotti

Inventor's Signature_____ Date _____

Residence _____ 233 Massachusetts Avenue

______ Cambridge, Massachusetts 02139

Citizenship _____ United States of America

Post Office Address ____ Same as above

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Declaration for Patent Application

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My residence, post office address and citizenship are as stated next to my name;

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the spec	cification of which (c	heck one)							
[X]	is attached hereto.								
[]	was filed on as United States Application								
	Number or PCT International Application No								
	and was amended on (if applicable).								
I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.									
defined	I acknowledge the in 37 C.F.R. §1.56.	duty to disclose in	formation which is known by me to b	oe mati	erial to	pate	entab	ility a	iS
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:									
and a second and a		Prior Foreign Application(s)		N	ority ot imed		Cert Copy ES	Filed	l? O
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(Numbe	er)	(Country)	(Day/Month/Year filed)	_ {]	[]	[J
I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.									
60/177,			January 25, 2000						
	ation Number)		(Filing Date)						
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I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

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As a named in and transact all business	ventor, I hereby appoint the fo s in the Patent and Trademark	llowing attorney(s) and/or agent(s) to prosecute this application Office connected therewith.
prosecute an internation	al application under the Paten	rney to the following attorney(s) and/or agent(s) to file and t Cooperation Treaty based upon the above-identified office requirements for designated states:
Barry W. Chap David E. Huan J. Scott Southy		39,229
all of Chapin & Huang,	L.L.C., Westborough Office I	Park, 1700 West Park Drive, Westborough, MA 01581
and		
		ss in the Patent and Trademark Office connected therewith.
Please send co	rrespondence to: Barry W	. Chapin, Esq.
Chapin & Hua	ng, L.L.C. Westborough Offic	ce Park, 1700 West Park Drive, Westborough, MA 01581
Direct telephor	ne calls to: Barry W. Chapin.	Esq. Telephone No.: 508-366-9600
Direct facsimil	es to: <u>Barry W. Chapin</u> ,	Esq. Facsimile No.: 508-616-9805
on information and beli- that willful false statement	ef are believed to be true; and ents and the like so made are p United States Code and that su	ein of my own knowledge are true and that all statements made further that these statements were made with the knowledge ounishable by fine or imprisonment, or both, under Section ich willful false statements may jeopardize the validity of the
Full name of sole inven	tor or	
first joint inventor	Jame O'Toole	
Inventor's Signature		Date
Residence	15 Munroe Street	
	Somerville, Massachusetts	02143
Citizenship	United States of America	
Post Office Address	Same as above	

Full name of additiona	al joint		
inventor, if any			
Inventor's Signature_	Ju gi for	Date 12/22/2000	
Residence	233 Massachusetts Avenue		
	Cambridge, Massachusetts 02139		
Citizenship	United States of America		
Post Office Address _	Same as above		